

17691 U.S. PTO
123103

**NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

17497 U.S. PTO
10/748673
123103

Customer Number 32294

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Docket No.: 60091.00276

Date: December 31, 2003

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

MAILSTOP PATENT APPLICATION

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): CLUSTERING TECHNIQUE FOR CYCLIC PHENOMENA

By (Inventors): Kimmo HÄTÖNEN (Helsinki, Finland); Pekka KUMPULAINEN (Lempäälä, Finland); and Pekko VEHVILÄINEN (Tampere, Finland)

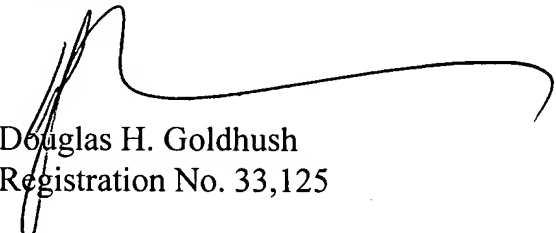
- ☒ 18 pages of Specification/Claims 1-16/Abstract are attached.
- ☒ Formal drawings (Figs. 1-9; 5 sheets) are attached.
- ☐ A Declaration and Power of Attorney is attached.
- ☐ An assignment of the invention to _____ is attached, along with Form PTO-1595 and a check for \$40.00.
- ☐ An Information Disclosure Statement is attached, along with Form PTO-1449, and _____ reference(s).
- ☐ Priority of foreign application No. _____ filed _____ in _____ is claimed under 35 U.S.C. §119.
- ☐ Priority of U.S. Provisional Application(s) No. _____ filed _____ is claimed under 35 U.S.C. §119(e).
- ☐ A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

| | | | SMALL ENTITY | | | LARGE ENTITY | |
|--|-----------|-----------|--------------|--------|----|--------------|--------|
| FOR: | NO. FILED | NO. EXTRA | RATE | FEE | OR | RATE | FEE |
| BASIC FEE | | | | \$ 385 | OR | | \$ 770 |
| TOTAL CLAIMS | 16 - 20 | = 0 | x 9 = | | OR | x 18 | |
| INDEP CLAIMS | 2 - 3 | = 0 | x 43 = | | OR | x 86 | |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS | | | +145 = | | OR | +290 | |
| | | | TOTAL | | OR | TOTAL | \$770 |

☒ A check for the filing fee is not enclosed at this time.

Respectfully submitted,


Douglas H. Goldhush
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DHG/scc